

SYSTEM **P**LANNING & **A**NALYSIS **R**EPORT

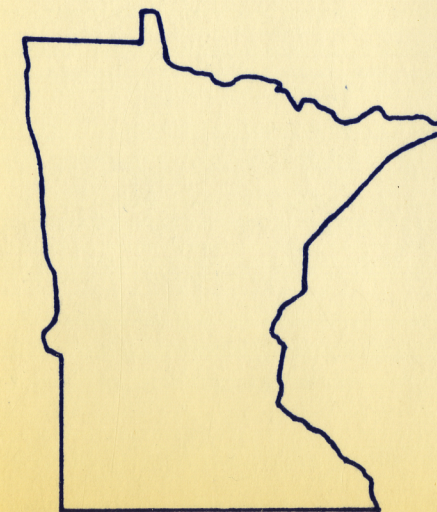
S-18

TH 56
RICHMOND STREET TO GRAND AVENUE

S. P. 1912-16

JULY, 1970

PREPARED BY
OFFICE OF SYSTEM PLANNING



**MINNESOTA
DEPARTMENT
OF HIGHWAYS**

DEPARTMENT HIGHWAY - Statewide Plan. Sect.

Office Memorandum

TO : Paul G. Velz
Road Design Engineer

DATE: July 24, 1970

FROM : Morris Gildemeister, Chief
Statewide Planning Sect.

SUBJECT: T.H. 56, Richmond Street to Grand Avenue
S.P. 1912-16
System Planning & Analysis Report S-18

The Statewide Planning Section transmits this report in response to R. T. Peterson's June 1, 1970 request for the 1985 ADT, DHV, and HCADT for the project location shown on the map on page 2.

The estimated 1985 ADT volumes are shown on the map on page 3.

For each segment numbered on the map on page 3, the following data are tabulated on pages 4 and 5:

- (a) Total ADT
- (b) Vehicle Type Distribution
- (c) Total HCADT

Segment 21, with a 1985 one-way ADT of 8400, has the highest ADT on the project section of T.H. 56. This segment has a 1968 one-way ADT of 6500 vehicles.

The basic data, method, and assumptions used to prepare this report are presented on page 6.

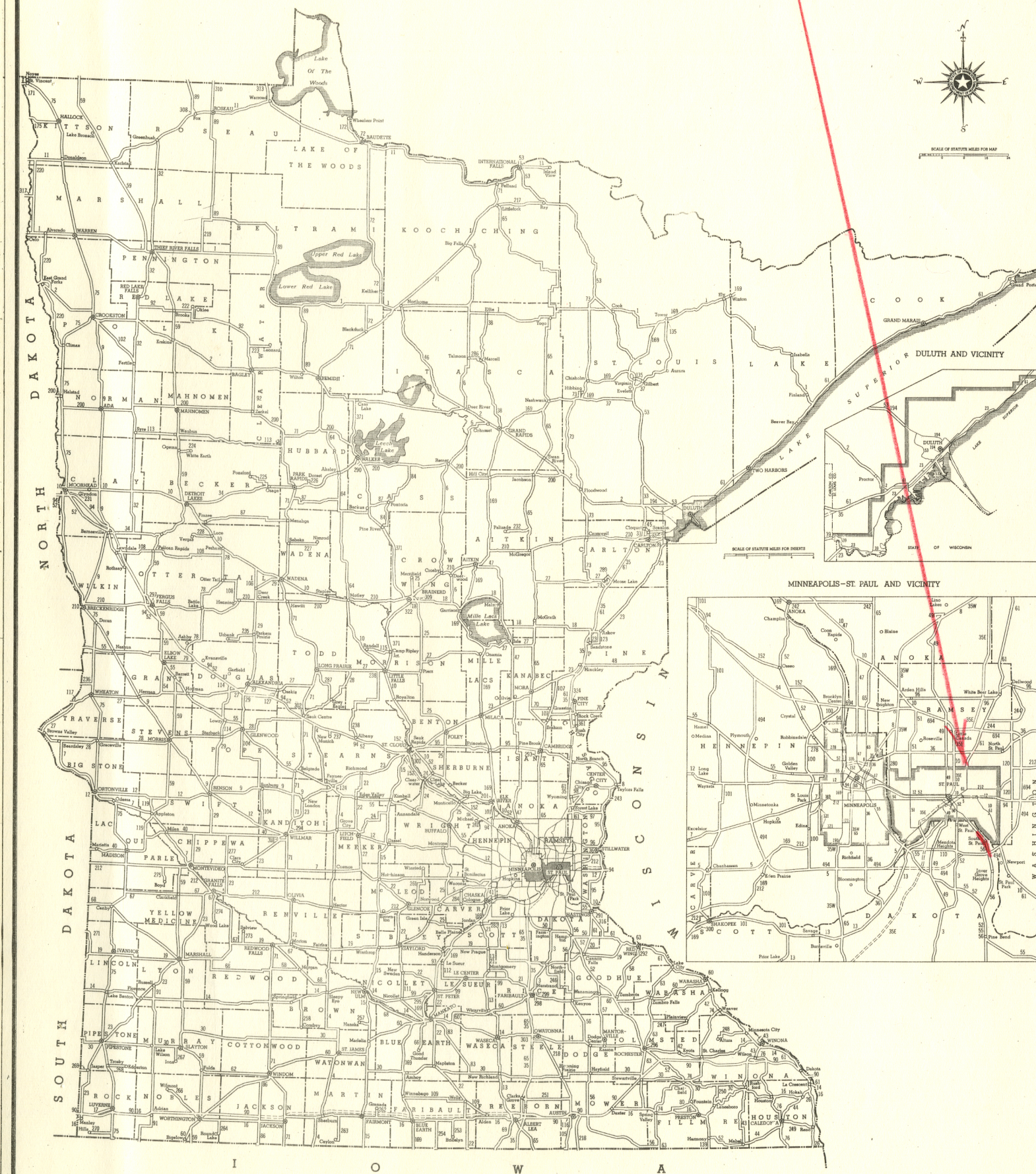
Morris Gildemeister

Morris Gildemeister, Chief
Statewide Planning Section

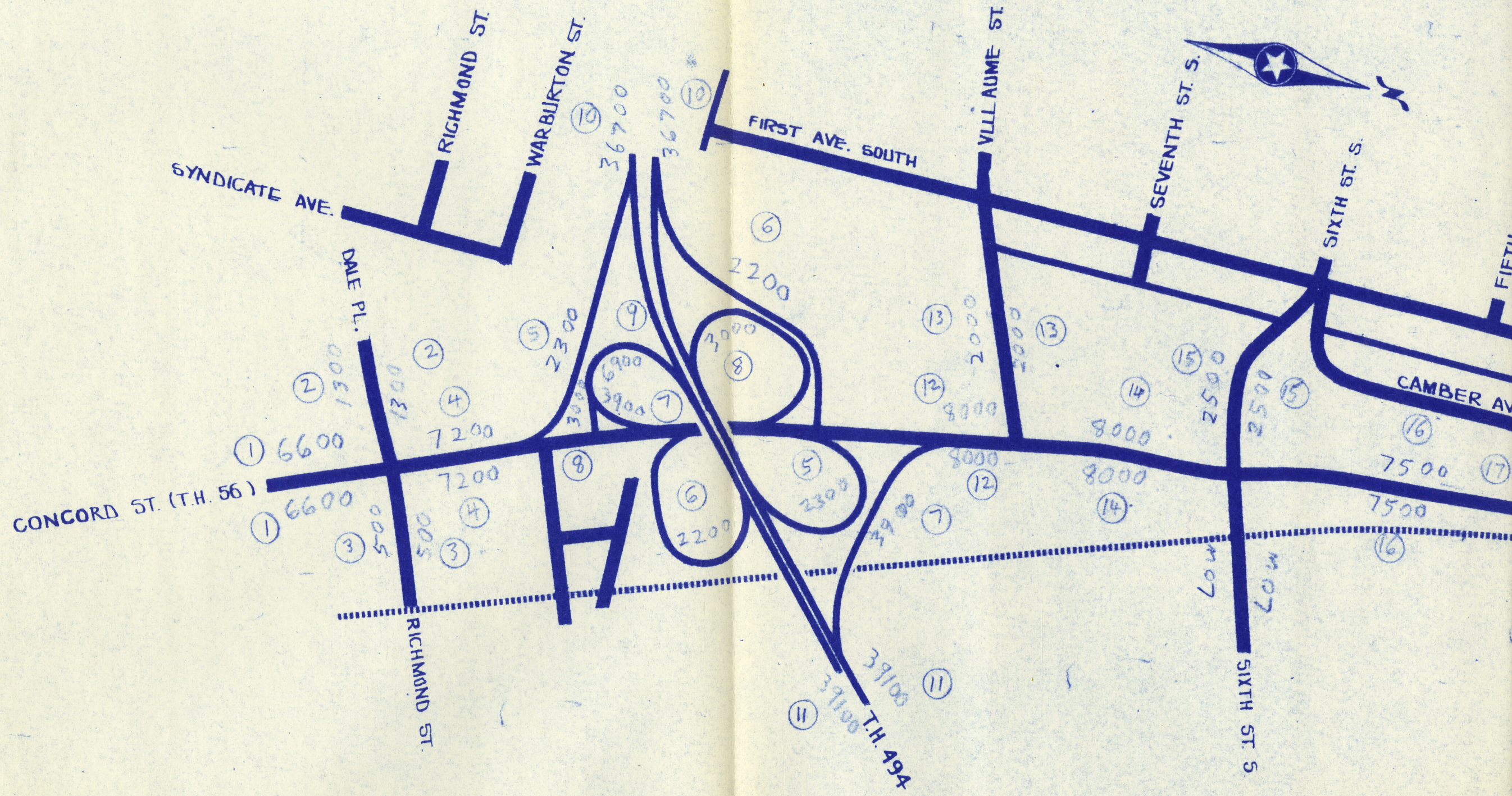
WF

STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
WORK MAP

Project Location
SP1912-16



CONCORD ST. (T.H. 56)
FROM RICHMOND ST. TO GRAND AVE.
1992 DHV, ADT & HCADT
S.P. 1912-16 (56=112) 96-297

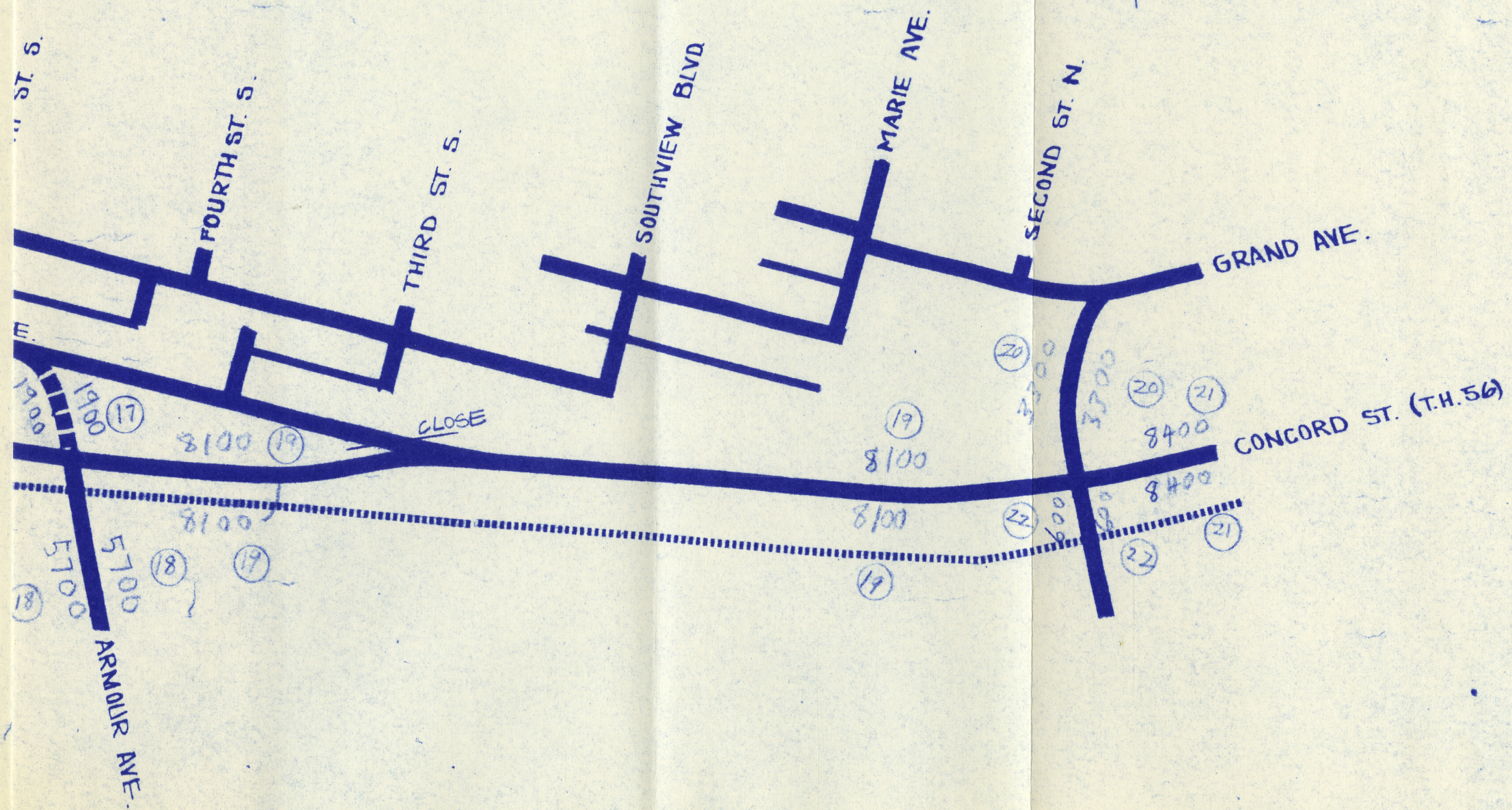


S-18
 July, 1970
 TH 56
 SP 1912-16
 Richmond Street to Grand Avenue

LEGEND

Segment Number (21)
 1985 ADT 8400

NOTE: ■■■■■ PROP. CONNECTION



M-24 12" X 33"

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 1 OF 2

FOR

T.H. 56 S.P. 1912-16 LENGTH - MILES
COUNTY Dakota LOCATION Richmond St.
to Grand Ave.

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS
DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	6290	1239	476	6865	2163	1919	3691	2872	6563	34418	29699
1	160	31	12	173	69	152	105	63	168	766	713
2	52	10	4	56	25	53	39	24	63	574	559
3	13	2	1	14	5	8	7	3	10	62	59
4	16	4	2	18	9	18	12	6	18	205	196
5	37	8	3	40	18	40	27	18	45	508	495
6	32	6	2	34	11	10	19	14	33	167	179
TOTAL ADT	6600	1300	500	7200	2300	2200	3900	3000	6900	36700	31900
TOTAL H. COMM. ADT	310	61	24	335	137	281	209	128	337	2282	2201
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

- 0 = PASSENGER CARS AND 4 TIRE TRUCKS
1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
2 = SINGLE UNIT-3 AXLE TRUCKS
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
- 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1985 PART 2 OF 2

FOR

T.H. 56 S.P. 1912-16 LENGTH - MILES
COUNTY Dakota LOCATION Richmond St.
to Grand Ave.

BASED ON

1985 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS
DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	22
0	7440	1904	7440	2381	6963	1808	5162	7479	3117	7751	537
1	298	62	298	78	282	59	270	319	106	334	31
2	99	10	99	12	97	10	92	113	34	118	11
3	21	2	21	2	21	2	25	26	5	26	3
4	33	2	33	2	33	2	41	40	7	42	5
5	71	4	71	5	70	4	78	86	18	90	10
6	38	16	38	20	34	15	32	37	13	39	3
TOTAL ADT	8000	2000	8000	2500	7500	1900	5700	8100	3300	8400	600
TOTAL H. COMM. ADT	560	96	560	119	537	92	538	621	183	649	63
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

- 0 = PASSENGER CARS AND 4 TIRE TRUCKS
1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
2 = SINGLE UNIT-3 AXLE TRUCKS
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
- 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
6 = BUSES AND TRUCKS WITH TRAILERS

BASIC DATA, METHOD, AND ASSUMPTIONS

The 1985 ADT and DHV are presented in System Planning and Analysis Report M-24 transmitted July 2, 1970.

HC-ADT totals agree with the System 14 Heavy Truck ADT Study.

Vehicle type distributions are based on vehicle classification counts taken on roads assumed to have similar travel characteristics as the subject project.

This report assumes that TH 61 will have a modified cloverleaf interchange at TH 494. It also assumes that there will be only one ramp for the TH 494 interchange at Bailey Road.

The 1992 volumes may be obtained by expanding the enclosed figures by approximately 20%.